

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------------------|------------------|---------|---------------------|
| S1 | 1 | ("6029302").PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/31 12:55 |
| S2 | 5 | ("2172636" "2948143" "4185809").PN. OR ("6029302").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/10/31 12:55 |
| S3 | 1 | ("20060102650").PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/31 13:51 |
| S4 | 2 | ("20060102650").PN. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2007/10/31 13:51 |
| S5 | 0 | cleaning "pig\$1line" "pig station" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:54 |
| S6 | 0 | "pig\$1line" "pig station" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:54 |
| S7 | 15 | "pig station" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:54 |
| S8 | 8 | S7 and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:54 |
| S9 | 0 | "pig\$1line" and "pig station" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S10 | 0 | "pig\$1line" and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S11 | 0 | "pigline" and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S12 | 0 | pigline | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S13 | 136 | pig line | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S14 | 7 | (pig line) and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:57 |
| S15 | 104 | scrapper and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:58 |
| S16 | 4 | scrapper.clm. and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:58 |
| S17 | 330 | scraper.clm. and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 13:58 |
| S18 | 136 | (pig line) | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:05 |
| S19 | 15 | pig station | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:05 |

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| S20 | 0 | pig "cleaning agent" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:11 |
| S21 | 170 | pig and "cleaning agent" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:11 |
| S22 | 180 | pig and "cleaning agent" | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2007/10/31 14:11 |
| S23 | 10 | pig and "cleaning agent" | DERWENT | ADJ | ON | 2007/10/31 14:12 |
| S24 | 4 | S21 and two pigs | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:14 |
| S25 | 1 | "20020064601" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 14:16 |
| S26 | 2 | (("5882428") or ("6037010")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/31 14:23 |
| S27 | 13 | "134".clas. and (two pigs) | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:02 |
| S28 | 0 | "134".clas. and pig and celaning agent | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:03 |
| S29 | 7 | "134".clas. and pig and cleaning agent | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:03 |
| S30 | 170 | pig and cleaning agent | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:04 |
| S31 | 32 | pig and (cleaning agent) and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:05 |
| S32 | 307 | pig and cleaning and paint | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:06 |
| S33 | 8 | pig and paint and (pig station) | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:06 |
| S34 | 18 | pig and paint and (two pig) | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:07 |
| S35 | 3 | ("4390126" "6582774" "6589348").PN. | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:14 |
| S36 | 9 | ((("6061872") or ("6339864") or ("6532626") or ("6615452") or ("6757939") or ("6715180") or ("6925682") or ("7075053") or ("7244006"))).PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/31 15:29 |
| S37 | 65 | 137/15.05.ccls. | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 15:59 |
| S38 | 4 | S37 and pig | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:00 |
| S39 | 8 | S37 and pig\$ | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:01 |

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| S40 | 2 | S37 and "cleaning agent" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:01 |
| S41 | 86 | 137/15.04.ccls. | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:03 |
| S42 | 7 | S41 and pig\$ | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:03 |
| S43 | 688 | "137".clas. and pig\$ | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:05 |
| S44 | 7 | "137".clas. and pig\$ and "cleaning agent" | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:05 |
| S45 | 186 | "137".clas. and pig\$ and cleaning | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:07 |
| S46 | 41 | "137".clas. and pig\$ and cleaning.clm. | US-PGPUB; USPAT | ADJ | ON | 2007/10/31 16:07 |
| S47 | 5 | 118/684.ccls. and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 09:14 |
| S48 | 1017 | galloway.in. | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:08 |
| S49 | 1 | S48 and velocity and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:08 |
| S50 | 30 | "pig speed" | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:09 |
| S51 | 3137 | pig and speed and compressed | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:13 |
| S52 | 148 | pig.clm. and speed and compressed | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:13 |
| S53 | 68 | pig.clm. and (speed or velocity) and (compressed (gas or air)) | US-PGPUB; USPAT | ADJ | ON | 2007/11/01 16:13 |
| S54 | 0 | cleaning adj2 pig station | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 11:45 |
| S55 | 11 | cleaning and (pig station) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 11:46 |
| S56 | 4 | cleaning same(pig station) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 11:47 |
| S57 | 2 | flushing same(pig station) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 11:50 |
| S58 | 1 | electrode and (pig station) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:08 |
| S59 | 42 | electrode same pig same distance | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:08 |
| S60 | 1 | electrode and (pig same (minimum distance)) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:11 |
| S61 | 114 | electrode and (pig same distance) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:12 |
| S62 | 0 | notL9 and electrode and (pig same distance) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:12 |

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| S63 | 0 | notL9 and electrode and (pig same distance) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:12 |
| S64 | 72 | not S59 and electrode and (pig same distance) | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:12 |
| S65 | 3 | S64 and paint | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:13 |
| S66 | 241 | electrode and pig and paint | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:15 |
| S67 | 1 | electrode and (pig station) and paint | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:15 |
| S68 | 1 | electrode and (pig line) and paint | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:15 |
| S69 | 12 | electrode and pig and paint.clm. | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 12:15 |
| S70 | 1021 | 134/22.12 | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 15:31 |
| S71 | 675 | 134/22.12.ccls. | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 15:31 |
| S72 | 39 | S71 and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 15:31 |
| S73 | 1693 | 134/40.ccls. | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 15:32 |
| S74 | 9 | 134/40.ccls. and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/05 15:32 |
| S75 | 54 | paint.ti. and electrode.clm. | US-PGPUB; USPAT | ADJ | ON | 2007/11/08 12:27 |
| S76 | 1 | paint.ti. and electrode.clm. and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/08 12:27 |
| S77 | 54 | paint.ti. and electrode.clm. | US-PGPUB; USPAT | ADJ | ON | 2007/11/08 12:28 |
| S78 | 7 | paint.ti. and electrode and pig | US-PGPUB; USPAT | ADJ | ON | 2007/11/08 12:28 |
| S79 | 7 | ("3562014" "4416703" "5192595" "5632822"). PN. OR ("5882428").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:20 |
| S80 | 156 | cleaning and pig and (return path) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:22 |
| S81 | 1 | cleaning and (pig with (return path)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:22 |
| S82 | 105 | cleaning and (pig with (return)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:22 |
| S83 | 5 | cleaning with pig with return | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:23 |
| S84 | 7 | pig with (return path) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:24 |
| S85 | 496 | scraper and "return path" | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:25 |

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| S86 | 32 | scraper and "return path" with clean\$3 | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:25 |
| S87 | 0 | Gawne-Lawrence.in. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:32 |
| S88 | 2 | Gawne-Lawrence-\$in. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:32 |
| S89 | 32 | paint.ti. and cleaning and pig | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:32 |
| S90 | 4 | paint.ti. and cleaning and (pig with return) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:33 |
| S91 | 6 | paint.ti. and (cleaning with return) and pig | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:33 |
| S92 | 47 | paint.ti. and (cleaning with return) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/03/31 11:33 |
| S93 | 6 | ("4785836" "5174317" "5699817" "5704381" "6003530" "6569258"). PN. OR ("7156112").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:35 |
| S94 | 7 | (residual paint) with disposed | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:41 |
| S95 | 1 | (residual paint) with pig | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:43 |
| S96 | 0 | (residual paint)iwth out | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:43 |
| S97 | 57 | (residual paint) with out | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:43 |
| S98 | 27 | (residual paint) with discharge\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:49 |
| S99 | 28 | (residual paint) with discharg\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 11:50 |
| S100 | 66 | ("3348774").URPN. | USPAT | ADJ | ON | 2008/03/31 11:57 |
| S101 | 3 | (residual paint) and pig | USPAT | ADJ | ON | 2008/03/31 12:00 |
| S102 | 61 | (residual paint) and scrap \$3 | USPAT | ADJ | ON | 2008/03/31 12:02 |
| S103 | 8 | (residual paint) with scrap \$3 | USPAT | ADJ | ON | 2008/03/31 12:02 |
| S104 | 28 | ("2965114" "5192595" "5221047" "5289947" "5326031" "5582350"). PN. OR ("6037010").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 12:04 |

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| S105 | 0 | coiled particular area | US-PGPUB; USPAT | ADJ | ON | 2008/03/31 13:12 |
| S106 | 13 | increas\$3 (resistance or electrical resistance) with coiling | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:18 |
| S107 | 6 | cleaning with (two pigs) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:22 |
| S108 | 0 | ("2006/0048814").URPN. | USPAT | ADJ | ON | 2008/03/31 13:23 |
| S109 | 9 | clean\$3 with (two pigs) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:23 |
| S110 | 2 | cleaning and paint.ti. and (return path) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:25 |
| S111 | 5 | cleaning with (return path) and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:26 |
| S112 | 373 | cleaning with (return) and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:26 |
| S113 | 43 | cleaning with (return) and paint.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/03/31 13:26 |
| S114 | 7 | ("3562014" "4416703" "5192595" "5632822").PN. OR ("5882428").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/23 08:14 |
| S115 | 7 | ((cleaning or flushing) with ((leading pig) or (two pigs)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/23 08:16 |
| S116 | 12 | ((cleaning or flushing) with ((return or reverse) with (pig)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/23 08:20 |
| S117 | 0 | "residaul paint" pig.ab. | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 11:42 |
| S118 | 0 | "residaul paint" and pig. ab. | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 11:42 |
| S119 | 0 | "residual paint" and pig. ab. | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 11:42 |
| S120 | 7 | "residual paint" and pig | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 11:43 |
| S121 | 22 | "6037010" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/24 16:21 |
| S122 | 28 | ("2965114" "5192595" "5221047" "5289947" "5326031" "5582350").PN. OR ("6037010").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/24 16:23 |
| S123 | 17 | ((residual or remaining) near paint) and pig | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 16:24 |
| S124 | 851 | ((return\$3 or reverse) with (cleaning or flushing)) and paint | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 16:47 |

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| S125 | 0 | ((return\$3 or reverse) with (cleaning or flushing)) and paint and pig | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 16:47 |
| S126 | 17 | ((return\$3 or reverse) with (cleaning or flushing)) and paint and pig | US-PGPUB; USPAT | ADJ | ON | 2008/04/24 16:47 |
| S145 | 19 | ((residual or remaining or excess) near paint) and pig | US-PGPUB; USPAT | ADJ | ON | 2008/04/25 07:45 |
| S146 | 1814 | ((residual or remaining or excess) near paint) | US-PGPUB; USPAT | ADJ | ON | 2008/04/25 07:53 |
| S147 | 81 | ((residual or remaining or excess) near paint) with dispos\$3 | US-PGPUB; USPAT | ADJ | ON | 2008/04/25 07:53 |
| S148 | 17 | ("1806270" "3348774" "3450092" "3562014" "4113890" "4416703" "4592305" "5192595"). PN. OR ("5289947").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 07:57 |
| S149 | 6 | ((residual or remaining or excess) near paint) and S148 | US-PGPUB; USPAT | ADJ | ON | 2008/04/25 07:57 |
| S153 | 0 | (push with between pigs with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:17 |
| S154 | 1 | (push with between with pigs with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:17 |
| S155 | 406 | (between with pigs with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:18 |
| S156 | 41 | (introduc\$4 with pigs with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:18 |
| S157 | 5 | (introduc\$4 with pigs! with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:19 |
| S158 | 43 | (move with pigs! with (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:20 |
| S159 | 6 | (move near4 pigs! near5 (away or apart)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:21 |
| S160 | 1 | (paint near4 pigs! near5 push) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |
| S161 | 1 | (paint near4 pigs! near5 (push or move)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |
| S162 | 1 | (introduc\$4 near4 pigs! near5 (push or move)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |
| S163 | 18 | ("4774905" "5230842" "5288525" "5632816" "6422491").PN. OR ("6589348").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:27 |
| S164 | 7 | paint.ti. and (between near4 pigs!) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:28 |

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| S165 | 3 | ("4390126" "6582774" "6589348").PN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:33 |
| S166 | 0 | paint.ti. (clean\$3 or flush\$3) with ((reverse or opposite) direction) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:51 |
| S167 | 23 | paint.ti. and (clean\$3 or flush\$3) with ((reverse or opposite) direction) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:51 |
| S168 | 28 | ("2965114" "5192595" "5221047" "5289947" "5326031" "5582350").PN. OR ("6037010").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 10:02 |
| S169 | 94 | baumann.in. and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 10:06 |
| S170 | 42 | paint.ti. and (clean\$3 or flush\$3) with (compressed air) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 10:57 |
| S171 | 26 | (US-20050173018-\$ or US-20060086407-\$ or US-20060102650-\$ or US-20020064601-\$ or US-20060048814-\$ or US-20050139237-\$ or US-20040016448-\$ or US-20010013315-\$).did. or (US-5230842-\$ or US-4798474-\$ or US-5882428-\$ or US-6037010-\$ or US-6969427-\$ or US-6589348-\$ or US-6840088-\$ or US-5855062-\$ or US-7156112-\$ or US-3857513-\$ or US-6382220-\$ or US-7117877-\$ or US-7066186-\$ or US-6401768-\$ or US-5289947-\$).did. or (US-3348774-\$ or US-3458133-\$).did. or (JP-2006095495-\$).did. | US-PGPUB; USPAT; USOCR; DERWENT | ADJ | ON | 2008/04/25 11:10 |
| S172 | 2 | S171 and (sensor same voltage) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:10 |
| S173 | 15 | coiled with (increas\$3 with (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:17 |
| S174 | 389 | coil\$3 with (increas\$3 with (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:19 |
| S175 | 143 | coil\$3 near5 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:19 |
| S176 | 112 | coil\$3 near3 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:20 |

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| S177 | 87 | coil\$3 near2 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:20 |
| S178 | 124 | coil\$3 near4 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:22 |
| S179 | 0 | coiling near2 (electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:24 |
| S180 | 3 | coiling near3 (electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:24 |
| S181 | 3 | coiling near4 (electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:24 |
| S182 | 4 | coiling near5 (electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:24 |
| S183 | 0 | coiling near5 (provide near3 electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:25 |
| S184 | 0 | coiling with (provide near3 electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:25 |
| S185 | 0 | coiling same (provide near3 electrical resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:25 |
| S186 | 33 | coiling with paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:25 |
| S187 | 25 | (coiling with electric\$3) and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:26 |
| S188 | 3377 | (coil\$3 with electric\$3) and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:26 |
| S189 | 61 | (coil\$3 with electric\$3) and paint.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:26 |
| S190 | 10 | "2784350" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 11:28 |
| S191 | 1 | ("4962724").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/04/28 08:16 |
| S192 | 142 | paint.ab. and (return\$3 or revers\$3) near5 (clean\$3 or rins\$3 or flush\$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 09:01 |
| S193 | 1 | PCT/US03/14229 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 09:59 |
| S194 | 1 | PCT/US03/14229 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 09:59 |
| S195 | 242 | "14229" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S196 | 0 | "14229" and pct and rainer.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |

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| S197 | 0 | "14229" rainer.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S198 | 0 | "14229" and rainer.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S199 | 33235 | rainer.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S200 | 0 | rainer-melcher.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S201 | 0 | rainer-melcher-\$in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:00 |
| S202 | 709 | herre.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:01 |
| S203 | 0 | herre.in. adn paint | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:01 |
| S204 | 67 | herre.in. and paint | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:01 |
| S205 | 44 | herre.in. and paint | EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:02 |
| S206 | 0 | "37850602" | EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:03 |
| S207 | 0 | "37850602" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:03 |
| S208 | 0 | "37850602" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:03 |
| S209 | 27 | "1108475" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:05 |

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| S210 | 5 | "5993913" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:08 |
| S211 | 4 | "2001047755" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:09 |
| S212 | 2 | "20010047755" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:09 |
| S213 | 3 | "19937426" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:10 |
| S214 | 9 | "1172153" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:11 |
| S215 | 3 | "19830029" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:12 |
| S216 | 11 | "1172152" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:15 |
| S217 | 10 | "1108474" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:15 |
| S218 | 20 | "2000570" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:16 |
| S219 | 5 | "10223498" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:20 |
| S220 | 2 | "20050173018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:21 |
| S221 | 0 | US03/14471 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:23 |
| S222 | 1 | PCT/US03/14471 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:23 |

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| S223 | 3 | "6401768" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:35 |
| S224 | 4 | "5882428" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:36 |
| S225 | 6 | "5803109" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/17 10:38 |
| S226 | 0 | PCTUS03/14471 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 13:13 |
| S227 | 1 | PCT/US03/14471 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 13:13 |
| S228 | 1 | PCT/US03/14229 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 13:56 |
| S229 | 0 | PCT/US03/14229 and solvent near9 chang | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 14:18 |
| S230 | 0 | PCT/US03/14229 and solvent near9 chang\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 14:18 |
| S231 | 1 | PCT/US03/14229 and solvent same chang\$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/17 14:18 |
| S233 | 68 | gps near9 pedestrian | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 10:59 |
| S234 | 2 | gps near9 pedestrian.ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 10:59 |
| S235 | 12 | (gps and pedestrian).ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:00 |
| S236 | 36 | (navigation and pedestrian).ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:02 |
| S237 | 0 | (navigation and pedestrian).ab. and pedstrian.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:02 |
| S238 | 9 | (navigation and pedestrian).ab. and pedestrian.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:02 |
| S239 | 0 | (navigation and tracking). ab. and pedestrian.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:02 |
| S240 | 3 | (tracking).ab. and pedestrian.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:03 |
| S241 | 720 | tracking and pedestrian and gps | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:04 |
| S242 | 11 | tracking same pedestrian same gps | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:04 |
| S243 | 22 | tracking near5 pedestrian and gps | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:05 |

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| S244 | 26 | pedestrian near3 gps | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 11:08 |
| S245 | 4 | "141".clas. and pig station | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:13 |
| S246 | 477 | "141".clas. and pig | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:13 |
| S247 | 19 | "141".clas. and pig and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:17 |
| S248 | 842 | "141".clas. and scrap\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:18 |
| S249 | 35 | "141".clas. and scrap\$4. ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:18 |
| S250 | 36 | 141/100.ccls. and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:19 |
| S251 | 47 | 141/1.ccls. and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:19 |
| S252 | 70 | "222".clas. and pig and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:20 |
| S253 | 1558 | 222/386.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:21 |
| S254 | 0 | 222/386.ccls. adn pig | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:21 |
| S255 | 20 | 222/386.ccls. and pig | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:21 |
| S256 | 13 | 222/386.ccls. and scraper | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/12/25 14:22 |
| S266 | 37 | 222/386.ccls. and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:40 |
| S267 | 10333 | between near3 (pig or scrap\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:41 |
| S268 | 4843 | between adj2 (pig or scrap \$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:41 |
| S269 | 294 | between two adj2 (pig or scrap\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:41 |
| S270 | 421 | between near3 (pig or scrap\$4) and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:42 |
| S271 | 34 | between near3 (pig or scrap\$4) near9 paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:43 |
| S272 | 7 | ("20060019036" "3108012" "4390126" "6582774" "6589348" "7066186").PN. OR ("7549449").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:43 |
| S273 | 16 | ("3108012").URPN. | USPAT | ADJ | ON | 2009/12/03 16:45 |
| S274 | 29 | between adj3 pigs! and paint | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/03 16:47 |

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| S275 | 16 | ("3108012").URPN. | USPAT | ADJ | ON | 2009/12/04 12:21 |
| S276 | 5 | ("1796338" "3108012"). PN. OR ("4294869").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:22 |
| S277 | 10 | between adj3 pigs!.ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:23 |
| S278 | 10 | ("5633038").URPN. | USPAT | ADJ | ON | 2009/12/04 12:24 |
| S279 | 10 | between adj3 pigs! near5 (transport\$4 or convey\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:24 |
| S280 | 0 | between adj3 srap\$4 near5 (transport\$4 or convey\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:26 |
| S281 | 55 | between adj3 plugs! near5 (transport\$4 or convey\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:26 |
| S282 | 63 | paint near5 (transport\$4 or convey\$4) and pig | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/04 12:28 |

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